

### **REMARKS**

Claims 1-20 are pending in this application. Claims 1, 7 and 10 have been amended. New Claim 21 has been added. The specification has been amended to correct typographical errors and to reflect the changes to reference numerals in Figure 2.

Claims 1-3, 7, 9, 10-13 and 15-17 were rejected under 35 USC 102(e) as being anticipated by Ostover et al. (U.S. Patent No. 6,585,154). Applicants respectfully disagree.

Claim 1 as currently amended recites a programmable document comprising: a physical document including at least one sheet of material and information recorded thereon; and a computer attached to the physical document, wherein the computer includes an input/output device, a memory storing the recorded information in digital form and metadata pertaining to the physical document, and a processor for updating and modifying the recorded information in digital form and the metadata pertaining to the physical document. Claim 7 recites a knowledge management system including, in part, “a programmable document comprising a physical document including at least one sheet of material for receiving information recorded thereon; and a computer attached to the physical document, wherein the computer includes an input/output device, a processor for updating and modifying information pertaining to the physical and a memory for storing information pertaining to the physical document”. Claim 10 recites a method for managing information, including, in part, “storing a digital copy of the recorded information and metadata pertaining to the physical document in a computer, wherein the computer includes an input/output device, a processor for updating and modifying information pertaining to the physical document, and a memory”.

Ostrover et al. teaches “a system, method and devices for documents with electronic copies attached thereto” (see col. 1, lines 51-52). Ostrover et al. teaches a “writing surface, the writing surface containing a microchip capable of containing an electronic copy of at least a portion of a document printable thereon” (see col. 2, lines 7-9). According to Ostrover et al., a “microchip comprises a memory device capable of storing electronic data and a mechanism for affixation to a document” (see col. 1, lines 59-61). The microchip may further comprise a “status indicator which is readable by an operator of the system” (see col. 2, lines 53-54). Nothing in Ostrover et al. teaches or suggests a programmable document which includes, in part, a

computer, where the computer “includes an input/output device, a memory storing the recorded information in digital form and metadata pertaining to the physical document, and a processor for updating and modifying the recorded information in digital form and the metadata pertaining to the physical document”. An example of a microchip as disclosed by Ostrover et al. is the “Tag-It™ TIRIS™, which employs sequential transmission of FM signals and electronic data capture. Primary to each TIRIS™ system are transponders, each of which is especially programmable with a unique code” (see col. 4, lines 9-13). Microchips, according to Ostrover et al., are RFID type devices. Microchips, such as RFID devices disclosed by Ostrover et al., do not contain a processor for updating and modifying the recorded information and the metadata pertaining to the physical document.

Nothing in Ostrover et al. teaches or suggests storing metadata (which comprises at least one of processing information, version information, user comments, copy information, transformation information, distribution information and index information, as claimed in Claim 2) pertaining to the physical document. The Examiner asserts that Ostrover et al., which it discloses that the data may be in a standard file format (which are listed at col. 4, lines 53-64) “in which the examples listed inherently have metadata.” Standard file format typically refers only to how the data is to be formatted and displayed. “Standard file format” does not include “metadata which comprises at least one of processing information, version information, user comments, copy information, transformation information, distribution information and index information.”

New Claim 21 depends from Claim 1 and includes the further limitation of a computer program, stored in the memory, for implementing defined actions, operable by the processor. Nothing in Ostrover et al., or any of the other references cited, teaches or suggests a programmable document which includes in part a computer having a processor and a computer program, stored in the memory, for implementing defined actions, operable by the processor.

Claims 5, 8 and 19 were rejected under 35 USC 103(a) as being unpatentable over Ostrover et al. in view of Porter (U.S. Patent No. 6,533,171). Claim 6 was rejected under 35 USC 103(a) as being unpatentable over Ostrover et al. in view of Klotz, Jr. (U.S. Patent No. 5,459,307). Claim 18 was rejected under 35 USC 103(a) as being unpatentable over Ostrover et

al. in view of Choksi et al. (U.S. Patent No. 6,477,243). Claims 4 and 14 were rejected under 35 USC 103(a) as being unpatentable over Ostrover et al. in view of Friedman (U.S. Patent No. 5,417,508). Claim 20 was rejected under 35 USC 103(a) as being unpatentable over Ostrover et al. Applicants respectfully disagree. Nothing in any of Porter, Klotz, Jr., Choksi et al., or Friedman overcomes the lack of teachings of Ostrover et al.

Independent Claims 1, 7 and 10 are believed to be allowable. Since Claims 2-6 and 16-21 depend from Claim 1, Claims 8-9 depend from Claim 7 and Claims 11-12 depend from Claim 10, they are also believed to be allowable. Claims 1-21 are believed to be in condition for allowance.

Reconsideration of this application and allowance thereof are earnestly solicited. In the event the Examiner considers a personal contact advantageous to the disposition of this case, the Examiner is requested to call the undersigned Attorney for Applicants, Jeannette Walder.

Respectfully submitted,



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**AMENDMENTS TO THE DRAWINGS:**

The attached 3 sheets of drawings include changes to Figure 2. These sheets replace the original 3 sheets of Figures.

Also attached is an annotated sheet 2/3 showing changes to Figure 2. Figure 2 has been amended to remove inconsistencies among the reference numerals. Personal computer 30 has been changed to 130; recording device 32 has been changed to 36 (to agree with the reference numeral on Figure 3); R/W 34 has been changed to 38 (to agree with the reference numeral on Figure 3); iButton 22 has been changed to 122; paper 24 has been changed to 124 and programmable document 20 has been changed to 120.

Attachments: Replacement Sheets (3)

Annotated Sheet Showing Changes (1).

2/3

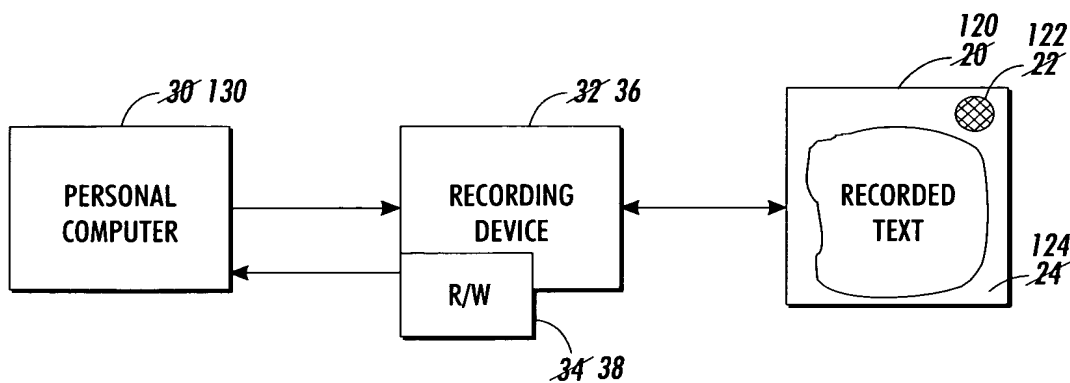


FIG. 2

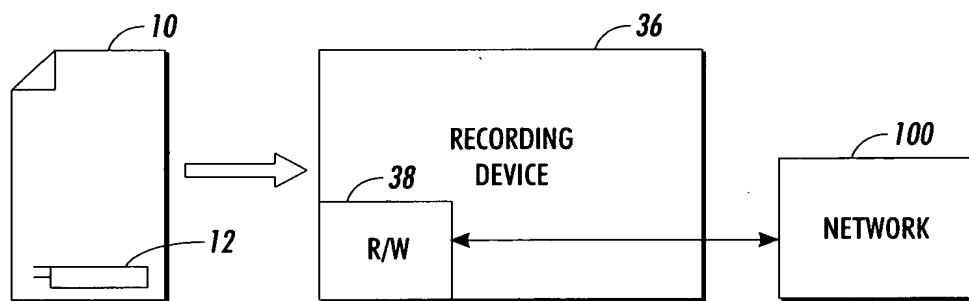


FIG. 3